



A Check List of Vascular Plants,
Porcupine Canyon to Kingston Peak, Kingston Range,
Mojave Desert

by

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fulfillment of contract no. CA-060-CT7-2430,
Floristic Inventory of the eastern Mojave Subdivision

CALIFORNIA DISTRICT
BUREAU OF LAND MANAGEMENT
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RIVERSIDE, CA 92507

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The region included in this check list is represented by a transect from 2400 ft on the alluvial fan below Porcupine Canyon to over 7300 ft at Kingston Peak as highlighted in yellow on the following maps. This transect passes through five plant communities which are listed in the table below.

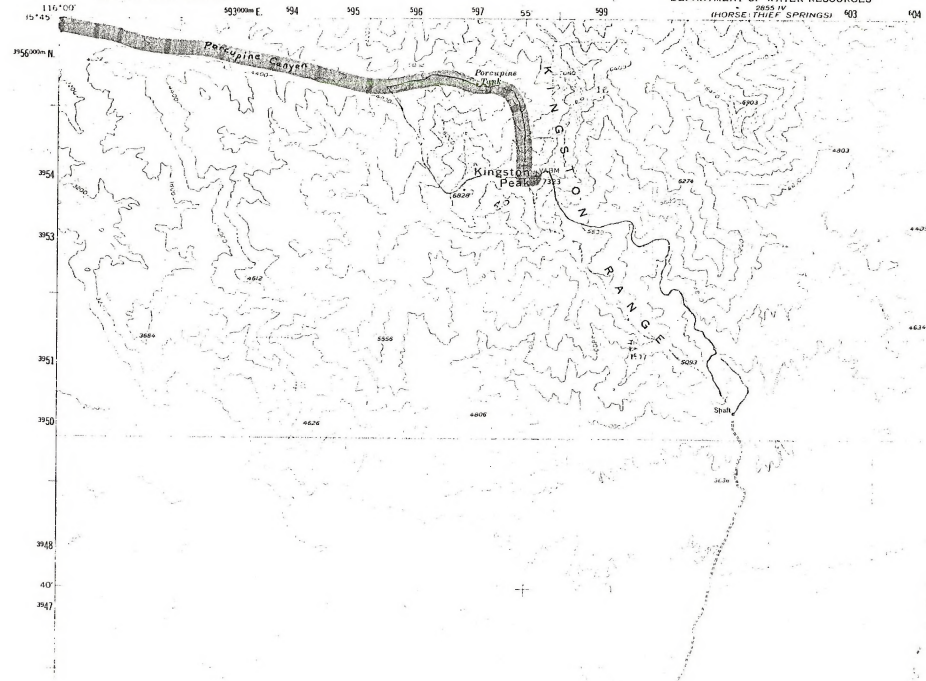
Data presented are based on field collections and observations made in October, 1977 and May, 1978. Identifications are primarily field determinations, but vouchers were collected of most flowering or fruiting species. These are deposited at Rancho Santa Ana Botanic Garden, and duplicates, as well as a list of specimens collected, will be deposited at the California Desert Plan Program of the Bureau of Land Management in Riverside.

Frequency data were determined by qualitative observations and employ the following scale.

- 1 = Rare
- 2 = Infrequent
- 3 = Frequent
- 4 = Common
- 5 = Very Common

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES



Plant Community	Creosote Bush Scrub	Mixed Desert Scrub	Desert Wash Scrub	Pinyon-Juniper Wd.	Pinyon-White Fir Forest
Approx. Elevation Range (ft.)	below 3600	3500-5100	below 5100	above 5100	6300-7100
Comments	on alluvial fan, canyon bottoms and lower slopes	on slopes and canyon bottoms	restricted to washes	canyons and slopes; lower elev. altered by fire, 1940's	steep n-facing canyons
Substrate	granitic	granitic	granitic	granitic	granitic
Some common species	Ambrosia dumosa Amphipappus fremontii Ephedra funerea Eriogonum fasciculatum inflatum trichopes Hymenoclea salsola Larrea tridentata Lepidium lasiocarpum Opuntia basilaris Plantago fasciculata Yucca schidigera	Artemisia ludoviciana tridentata Brickellia californica Coleogyne ramosissima Ephedra funerea viridis Eriogonum fasciculatum heermannii Grayia spinosa Haplopappus cuneatus linearifolius Leptodactylon pungens Nolina wolfii Purshia glandulosa Salvia mohavensis Stipa speciosa	Ambrosia dumosa Artemisia ludoviciana Bebbia juncea Chrysothamnus paniculatus Ephedra funerea viridis Eriogonum inflatum Grayia spinosa Hymenoclea salsola Larrea tridentata Lotus rigidus Prunus fasciculata Rhus trilobata Salazaria mexicana Salvia dorrii	Artemisia tridentata Ephedra viridis Eriogonum umbellatum wrightii Garrya flavescens Holodiscus microphyllus Juniperus osteosperma Leptodactylon pungens Monardella linoides Nolina wolfii Opuntia erinacea Pinus monophylla Poa fendleriana Ribes velutinum	Abies concolor Acer glabrum Amelanchier utahensis Eriogonum panamintense umbellatum Holodiscus microphyllus Juniperus osteosperma Pinus monophylla Ribes velutinum Symphoricarpos longiflorus

KINGSTON RANGE, PORCUPINE CANYON TO KINGSTON PEAK

◆◆◆◆◆

ELEVATION/FREQUENCY (1 = RARE; 5 = VERY COMMON)

24-132-136-140-144-148-152-156-160-164-168-172-1 (X 100
=321=361=401=441=481=521=561=601=641=681=721=761 FEET)

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AMARANTHACEAE, AMARANTH FAMILY

AMARANTHUS FIMBRIATUS (TORR.) BENTH.

ANACARDIACEAE, SUMAC FAMILY

RHUS TRILOBATA NUTT. EX T. & G. VAR. ANISOPHYLLA (GREENE) JEPS,

ASTERACEAE, SUNFLOWER FAMILY

AGERATINA HERBACEA (GRAY) KING & ROBBINS

AMBRISIA DUMOSA (GRAY) RAYNE, BUR-SAGE,

AMPHIPAPPUS FREMONTII T. & G. SSP. SPINOSUS (A. NELS.) KECK.

ARTEMISIA LUDOVICIANA NUTT. SSP. ALBULA (WOOT.) KECK. WESTERN HUGWORT.

ARTEMISIA TRIDENTATA NUTT. SSP. TRIDENTATA. BASIN SAGEBRUSH.

ATRICHOSERIS PLATYPHYLLA GRAY,

BAILEYA PLERIRADIATA HARV. & GRAY,

BEBBIA JUNCEA (BENTH.) GREENE,

BRICKELLIA CALIFORNICA (T. & G.) GRAY,

BRICKELLIA INCANA GRAY,

BRICKELLIA WATSONII ROB.

CHAENACTIS STEYIODES H. & A. VAR. BRACHYPAPPA (GRAY) HALL.

CHRYSOIHAMMUS NAUSEOSUS (PALL.) BRIT. SSP. HOLOLEUCUS (GRAY) HALL.

CHRYSOIHAMMUS PANICULATUS (GRAY) HALL.

CHRYSOIHAMMUS VISCIDIFLORUS (HOOK.) NUTT.

CIRSIMUM NEOMEXICANUM GRAY, THISTLE.

DYSSODIA COOPERI GRAY,

DYSSODIA PENTACHAETA (DC.) ROB. VAR. BELENIDIUM (DC.) STROTHER,

ENCELIA VIRGINENSIS A. NELS. SSP. VIRGINENSIS.

ERIGERON BREWERI GRAY VAR. PORPHYRETICUS (JONES) CRONQ.

ERIOPHYLLUM WALLACEI GRAY, WALLACE'S WOOLY DAISY.

FILAGO CALIFORNICA NUTT.

GEREA CANESCENS T. & G.

GUTIERREZIA MICHOCEPHALA (DC.) GRAY, MATCHWEED, BROOM WEED.	3				
HAPLOPAPPUS CUNEATUS GRAY.	2	3	4	3	3
HAPLOPAPPUS LARICIFOLIUS GRAY, TURPENTINE BUSH.	3	3			
HAPLOPAPPUS LINEARIFOLIUS DC, SSP, INTERIOR HALL,	3	3	3	3	2
HYMENOCLEA SALSOIA T. & G. VAR. SALSOIA. BURROBUSH, HOPSAGE.	5	5	4		
PECTIS PAPPOSA HARV. & GRAY EX GRAY. CINCH WEED.	3				
PSATHYROTES ANNUA (NUTT.) GRAY.	2				
SENECIO DOUGLASSII DC, VAR. MONOENSIS (GREENE) JEPS.	3	3	3	3	
STEPHANOMERIA PAUCIFLORA (TORR.) NUTT, WIRE LETTUCE,	2	3	3	2	2
STYLOCLINE MICROPOIDEA GRAY.	2	2	2		
TETRADYMIA ARGYRAEA MUNZ & ROOS. STRIPED HORSEBUSH.	2		2		4
XYLORHIZA TORTIFOLIA GRAY.	2	2			
BORAGINACEAE; BORAGE FAMILY					
ANSICKIA TESSELLATA GRAY.	3	3	3	3	3
CRYPTANTHA ANGUSTIFOLIA (TORR.) GREENE.	3				
CRYPTANTHA BARBIGERA (GRAY) GREENE,		3		3	
CRYPTANTHA MICRANTHA (TORR.) JTN, SSP, MICRANTHA,	2				
CRYPTANTHA NEVADENSIS NELS. & KENN. VAR. NEVADENSIS.	3				
CRYPTANTHA PTEROCARYA (TORR.) GREENE,			3		
PECTOCARYA SETOSA GRAY.	3	3			
PLAGIOBOTHRYS ARIZONICUS (GRAY) GREENE EX GRAY.			2		
BRASSICACEAE; MUSTARD FAMILY					
ARABIS PULCHRA JONES VAR, GRACILIS JONES. ROCK-CRESS.	3	3	3	3	3
CAULANTHUS COOPERI (WATS.) PAYS.	3	3	3		
DESCURAINIA PINNATA (WALT) BRIT. SSP. GLABRA (MOQT. & STANDL.) DETL.	4	3	3	3	2
LEPIDIUM FREMONTII WATS, PEPPERGRASS,	2				
LEPIDIUM LASIOCARPUM NUTT, VAR. LASIOCARPUM.	5	4	4	3	
STREPTANTHELLA LONGIROSTRIS (WATS.) RYDB.	3				

THELYPODIUM LASIOPHYLLUM (H. & A.) GREENE VAR. UTAHENSE (RYOB.) JEPS.
 THYSANOCARPUS CURVIFOLIOSUS HOOK VAR. ERADIATUS JEPS. LACE-POD.

CACTACEAE, CACTUS FAMILY

ECHINOCACTUS POLYCEPHALUS ENGELM. & BIGEL. COTTONTOP CACTUS,

ECHINOCEREUS ENGELMANNII (PARRY) LEM. VAR. CHRYSOCENTRUS (ENGELM. &
 BIGEL.) ENGELM. EX RUMPLER. HEDGEHOG CACTUS.

ECHINOCEREUS TRIGLOCHIDIATUS ENGELM. VAR. MOHAVENSIS (ENGELM. &
 BIGEL.) L. BENSON,

PEROCACTUS ACANTHOIDES (LEM.) BRITTON & ROSE VAR. LECONTEI
 (ENGELM.) LINDSAY. BARREL CACTUS,

OPUNTIA ACANTHOCARPA ENGELM. & BIGEL. VAR. COLORADENSIS L. BENSON,

OPUNTIA BASILARIS ENGEL. & BIGEL. VAR. BASILARIS. BEAVER-TAIL CACTUS.

OPUNTIA ECHINOCARPA ENGELM. & BIGEL. VAR. ECHINOCARPA. SILVER CHOLLA.

OPUNTIA ERINACEA ENGELM. & BIGEL. VAR. URSINA (A. WEBER) PARISH.

CAMPANULACEAE, BELLFLOWER FAMILY

NEMAGLADUS GLANDULIFERUS JEPS. VAR. ORIENTALES MCVAUGH.

NEMAGLADUS SIGMOIDEUS ROBBINS.

CAPRIFOLIACEAE, HONEYSUCKLE FAMILY

SYMPHORICARPOS LONGIFLORUS GRAY. SNOWBERRY.

CHENOPODIACEAE, GOOSEFOOT FAMILY

CHENOPODIUM FREMONTII WATS.

GRAYIA SPINOSA (HOOK.) MOO. HOP-SAGE.

SALSOLA IBERICA SENNEN. & PAU. RUSSIAN-THISTLE.

CONVOLVULACEAE, MORNING GLORY FAMILY

CUSCUTA CALIFORNIA H. & A. ??

CUCURBITACEAE, GOURD FAMILY

2	2								
		5							
2									
3	3	3	2						
				3					
2	2	2							
	1		1						
2	2	2	2	2	2	2			
2									
				3	3	3	3	3	3
2									
	2								
				4	4	4			
	2	4	4	3					
			2	2					
3	3			2					

CUCURBITA PALMATA WATS. COYOTE MELON.	2	3	2			
EUPHORBACEAE. SPURGE FAMILY						
EUPHORBIA SETILoba ENGELM.			2			
STILLINGIA LINEARIFOLIA WATS.		2	2			
FABACEAE. PEA FAMILY						
ASTRAGALUS LENTIGINOSUS DOUGL. VAR. FREMONTII (GRAY) WATS.			3	3		
CASSIA ARNATA	1					
DALEA FREMONTII TORR. VAR. MINUTIFOLIA (PARISH) L. BENSON, INDIGO BUSH.	3	3				
DALEA MOLLISSIMA (RYDB.) MUNZ.		2	2			
LOTUS RIGIDUS (BENTH.) GREENE.		4	4	4	3	3
LUPINUS CONCINNUS AGARDH. SSP. ORCUTII (WATS.) D. DUNN.		2	2	3	2	2
GARRYACEAE. SILK-TASSEL FAMILY						
GARRYA FLAVESCENS WATS. SSP. FLAVESCENS. SILK-TASSEL BUSH.				3	3	3
GERANIACEAE. GERANIUM FAMILY						
*ERODIUM CIGUTARIUM (L.) L'HER. STORKSBILL.		3		3		
HYDROPHYLLACEAE. WATERLEAF FAMILY						
EMMANANTHE PENDULIFERA BENTH. WHISPERING BELLS.			4	4	3	
EUCRYPTA CHRYSANTHEMIFOLIA (BENTH.) GREENE VAR. BIPINNATIFIDA (TORR.) CONST.		2				
NAMA PUSILLUM LEMMON EX GRAY.	2					
PHACELIA CRENULATA TORR.	1					
PHACELIA CRYPTANTHA GREENE.	3	3	3	4	3	
PHACELIA DISTANS BENTH. WILD HELIOTROPE.				3	3	
PHACELIA FREMONTII TORR. YELLOW THROATS.			2			
PHACELIA NEGLECTA JONES.	1					
KRAMERIACEAE. KRAMERIA FAMILY						

KRAMERIA PARVIFOLIA BENTH, VAR. GLANDULOSA (ROSE & PAINTER) MACBR, KRAMERIA PARVIFOLIA BENTH, VAR. IMPARATA MACBR,	3 3				
LAMIACEAE, MINT FAMILY					
MONARDELLA LINOIDES GRAY SSP. LINOIDES, HORSEMINT,		3	4 4	3	
SALAZARIA MEXICANA TORR, BLADDER SAGE,	2 2	3 3			
SALVIA COLUMBARIÆ BENTH, VAR. COLUMBARIÆ,	3 3	2 2			
SALVIA DORRII (KELL.) ABRAMS SSP. DORRII, BLUE SAGE,		3 3			
SALVIA MOHAVENSIS GREENE,	2 3	3 3			
SALVIA PACHYPHYLLA EPL. EX MUNZ,				2	
LOASACEAE, STICK-LEAF FAMILY					
MENTRELIA ALBIGAULIS (HOOK) T. & G. BLAZING-STAR,	3 3				
PETALONYX THURBERI GRAY	2				
MALVACEAE, MALLOW FAMILY					
EREMALCHE ROTUNDIFOLIA (GRAY) GREENE, DESERT FIVE-SPOT,	2				
SPHÆRALCEA AMBIGUA GRAY SSP. MONTICOLA KEARN. GLOBE-MALLOW,	3 3	4 3 2			
NYCTAGINACEAE, FOUR-O'CLOCK FAMILY					
MIRABILIS BIGELOWII GRAY VAR. BIGELOWII, DESERT FOUR-O'CLOCK, WISHBONE BUSH,	2	3 3 2			
ONAGRACEAE, EVENING-PRIMROSE FAMILY					
CAMISSONIA BOOTHII (DOUGL. IN HOOK.) RAVEN SSP. CONDENSATA (MUNZ) RAVEN, BOTTLE CLEANER,	3				
CAMISSONIA BREVIPES (GRAY) RAVEN SSP. BREVIPES,	2				
ZAUSCHNERIA GARRETTII NELS.		4 3 3 3			
PARAVRACEAE, POPPY FAMILY					
ARGEMONE CORYMBOSA GREENE,					
ESCHSCHOLZIA OLYPTOSPERMA GREENE, MOJAVE POPPY,	3				

PLANTAGINACEAE, PLANTAIN FAMILY									
PLANTAGO FASTIGIATA MORRIS	4								
POLEMONIACEAE, PHLOX FAMILY									
ERIASTRUM EREMIUM (JEPS.) MASON,	3	3	3	3	2				
GILIA SPECIES									
LANGLOISIA PUNCTATA (GOV.) GOOD,	2								
LEPTODACTYLON PUNGENS (TORR.) RYDB, SSP. HALLII (PARISH) MASON,		2	3	3	3	3	3	4	4
LINANTHUS AUREUS (NUTT.) GREENE. GOLDEN GILIA,	4	5	3						
LINANTHUS DEMISSUS (GRAY) GREENE,	2								
LINANTHUS JONESII (GRAY) GREENE,	2								
POLYDONACEAE, BUCKWHEAT FAMILY									
CHORIZANTHE BREVICORNIS TORR. SSP. BREVICORNIS,	2	3	2						
CHORIZANTHE RIGIDA (TORR.) T. & G.	2	2	2						
ERIOGONUM BRACHYPODIUM T. & G.	3								
ERIOGONUM DAVIDSONII GREENE,					3				
ERIOGONUM FASCICULATUM BENTH. SSP. POLIFOLIUM (BENTH.) STOKES, CALIFORNIA BUCKWHEAT,	4	4	4	4	4	3	4		3
ERIOGONUM HEERMANNII PURSH. & HILG. SSP. SULCATUM (WATS.) MUNZ & REVEAL,				2			3		3
ERIOGONUM INFLATUM TORR. & FREM. VAR. INFLATUM, DESERT TRUMPET,	4	4	4	3	3				
ERIOGONUM MACULATUM HELLER,		2	2	2					
ERIOGONUM MICROTHECUM NUTT. VAR. FOLIOSUM (TORR.) REVEAL,		4	3	2				3	3
ERIOGONUM NIDULARIUM GOV.		3	3	3					
ERIOGONUM PANAMINTENSE HORTON SSP. PANAMINTENSE,							2	3	3
ERIOGONUM INCHIMPEZ TORR.	5								
ERIOGONUM UMBELLATUM TORR. EX BENTH. SSP. SUBARIDUM (STOKES) MUNZ					3	3	3	3	3
ERIOGONUM WRIGHTII TORR. EX BENTH. SSP. WRIGHTII					3	4			4
XYTHECA PEREOLATA T. & G. SAUCER PLANT,	2	2	2						
RANUNCULACEAE, CROWFOOT FAMILY									

DELPHINIUM PARISHII GRAY SSP. PARISHII, LARKSPUR,	2	3	3	2	2	1			
RESEDACEAE									
OLIGOMERIS LINIFOLIA (VAHL) MACBR,		4							
ROSACEAE, ROSE FAMILY									
AMELANCHIER UTAMENSIS KOEHNE SSP. COVILLEI (STANDL) CLOKEY							3	4	4
COLEOGYNE HAMOISSIMA TORR, BLACKBUSH,			3	4	4				3
MOLOPSIS MICROPHYLLUS RYDB, VAR. MICROPHYLLUS,						3	4	4	4
POTENTILLA PATELLIFERA J. T. HOWELL,						4			4
PRUNUS FASCICULATA (TORR.) GRAY, DESERT ALMOND,	2	3		4	4	4	4		
PURSHIA GLANDULOSA CURRAN, ANTELOPE BUSH,		1	3	4	3		4	3	2
								3	3
RUBIACEAE, MADDER FAMILY									
GALIUM MATTHEWSII GRAY,						3			
GALIUM SPECIES				3	3	4	4	4	3
							3	3	3
RUTACEAE, RUE FAMILY									
THAMNOSMA MONTANA TORR. & FREM, TURPENTINE-BROOM,	2	3		3	3				
SAXIFRAGACEAE, SAXIFRAGE FAMILY									
HEUCHERA RUBESCENS TORR, VAR. PACHYPODA (GREENE) ROSEN, ALUM ROOT,								3	3
RIBES VELUTINUM GREENE SSP. GLANDULIFERUM HELLER						3	4	4	4
							4	4	
SCROPHULARIACEAE, FIGWORT FAMILY									
CASILLEJA CHROMOLA A. NELS, PAINT-BRUSH,				3					
KECKELIA ANTIHINOIDES (BENTH.) STRAW,					2				
MINULUS GUTTATUS FISCH, EX DC, SSP. GUTTATUS,					3				
MINULUS PARISHII GREENE,							2		
PENSTEMON EATONII GRAY VAR. EATONII,						3		3	
PENSTEMON STEPHENSII WDG,				3	3		3		

SOLANACEAE, NIGHTSHADE FAMILY

DATURA METELOIDES A. DC. THORN-APPLE, JINSON WEEB.

LYCUM ANDERSONII GRAY. BOX-THORN.

LYCUM COOPERI GRAY.

NIGOTIANA TRIGONOPHYLLA DUNAL IN A. DC. DESERT TOBACCO.

PHYSALIS CRASSIFOLIA BENTH. VAR. CRASSIFOLIA. GROUND CHERRY.

VISACEAE, MISTLETOE FAMILY

ARCEUTHOBIMUM DIVARICATUM ENGELM.

ZYGOPHYLLACEAE, CALTROP FAMILY

LARREA TRIDENTATA (SESSÉ & MOQ. EX DC.) COV. CREDSOTE BUSH.

MONOCOTYLEDONES

AGAVACEAE, AGAVE FAMILY

NOLINA WOLFEI (MUNZ) MUNZ.

YUCCA BACCATA TORR. VAR. BACCATA. BANANA YUCCA.

YUCCA SCHIDIGERA ROEHL. EX ORTIGES. SPANISH BAYONET.

LILIACEAE, LILY FAMILY

ALLIUM NEVADENSE WATS. VAR. CRISTATUM (WATS.) OWNBEY. NEVADA ONION.

DICHELSTENHA PULCHELLA (SALISB.) HELLER VAR. PAUCIFLORA
 (TORR.) MORT.

POACEAE, GRASS FAMILY

ARISTIDA GLAUCA (NEES.) WALP. TRIPLE-AWNEED GRASS.

ARISTIDA FENDLERIANA STEUD.

BOUTELOUA BARBATA LAG.

BOUTELOUA CURTIBENDULA (MICHX.) TORR. SIDE-OATS.

*BROMUS RUBENS L. FOXTAIL GRASS.

*BROMUS TECTORUM L. WHEAT GRASS. DOWNY BROME.

*ERAGROSTIS CILIANENSIS (ALL.) E. MOSHER.

	3	3	3			
2	3					
2						
3	3					
		3	3			
					3	3
5	5	5	4			
	1	2	3	4	4	3
					3	3
3	3	3	3	2		
						2
3						
	3		3	3	3	
3	3		3	3		
	4	5	4	4	4	4
					3	

ERIONEURON PULCHELLUS (HBK.) TATEOKA, FLUFFGRASS,

MILARIA RIGIDA (THURB.) BENTH. EX SCRIBN.

MELICA IMPERFECTA TRIN.

MUHLENBERGIA PORTERI SCRIBN.

ORYZOPSIS MYMENBIDES (R. & S.) RICKER, RICEGRASS.

ORYZOPSIS MICHANTHA (TRIN. & RUPR.) THURB.

POA BIGELOVII VASEY & SCRIBN.

POA FENDLERIANA (STEUD.) VASEY.

*POLYPOGON AUSTRALIS BRONGN.

*SCHISMUS BARBATUS (L.) THELL.

SITANION LONGIFOLIUM J. G. SM.

SITANION JUBATUM J. G. SM.

SPOROBOLUS CRYPTANDRUS (TORR.) GRAY.

STIPA CORONATA THURB. IN WATS. VAR. DEPAUPERATE (JONES) HITCHC.

STIPA SPECIOSA TRIN. & RUPR.

3	3			
	3			
2	3	3	3	3
3	3	3		
2				3
				2
				3
			3	4
			3	3
		2		
3				
		3	3	3
		3	3	3
2	3	2	2	
		2		
		2	3	3
	2	3	3	
				3

NUMBER OF INDIGENOUS TAXA = 183

NUMBER OF NATURALIZED TAXA = 7